

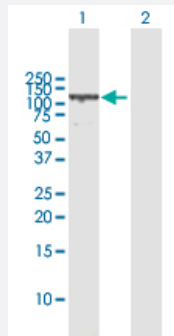
MaxPab®

VCL purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00007414-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of VCL expression in transfected 293T cell line ([H00007414-T01](#)) by VCL MaxPab polyclonal antibody.

Lane 1: VCL transfected lysate(117.26 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human VCL protein.

Immunogen

VCL (ABM85606.1, 1 a.a. ~ 1066 a.a) full-length human protein.

Sequence

MPVFHTRTIESILEPVAQQISHLVIMHEEGEVDGKAIPDLTAPVAAVQAAVSNLVRVGKETVQTTE
QILKRDMPPAFIKVENACTKLVAQAQMLQSDPYSPARDYLIDSGRGILSGTSDLLTFDEAEVRKII
RVCKGILEYLTVAEVVETMEDLVITYTKNLGPGMTKMAKMIDERQQELTHQEHRVMLVNSMNTVKE
LLPVLISAMKIFVTTKNSKNQGIEEALKNRNFTLEKMSAEINEIIRVLQLTSWDEDAWASKDTEAMK
RALASIDSKLNQAKGWLDRDPSASPGDAGEQAIRQILDEAGKVGELCAGKERREILGTCKMLGQMT
DQVADLRARGQGSSPVAMQKAQQVSQGLDVLTAKEVNAARKLEAMTNSKQSIKKIDAAQNW
ADPNGGPEGEEQIRGALAEARKIAELCDDPKERDDILRSLGEISALTSKLADLRQGGKGDSP
ALAKQVATALQNLQTKTNRAVANSRPAKAAVHLEGKIEQAQRWIDNPTVDDRQVGGAAIRGLVAE
GHRLANVMMGPYRQDLLAKCDRVDQLTAQLADLAARGESESPQARALASQLQDSLKDLKARM
QEAMTQEVSDVFSDDTTPIKLLAVAATAPPDAPNREEVFDERAANFENHSGKLGATAEKAAAVG
TANKSTVEGIQASVKTARELTPQVVSARILLRNPNGNQAAYEHFETMKNQWIDNVEKMTGLVDEAI
DTKSLLDASEEAIKKDLKCKVAMANIQQPMLVAGATSIARRANRILLVAKREVENSEDPKFREAV
KAASDELSTISPMVMDAKAVAGNISDPGLQKSFLDSGYRILGAVAKVREAFQPQEPDFPPPPP
DLEQLRLTDELAPPKPPLPEGEVPPPPPPPEEKDEEFPEQKAGEVINQPMMAARQLHDEAR
KWSSKGNDIAAAKRMALLMAEMSRLVRGGSGTKRALIQCAKDIKASDEVTRLAKEVAKQCTDK
RIRTNLLQVCERIPTISTQLKILSTVKATMLGRTNISDEESEQATEMLVHNAQNLQMVSVKETVREAE
ASIKIRTDAGFTLRWVRKTPWYQ

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — VCL

Entrez GeneID	7414
GeneBank Accession#	DQ894680.2
Protein Accession#	ABM85606.1
Gene Name	VCL
Gene Alias	CMD1W, MVCL
Gene Description	vinculin
Omim ID	193065 611407
Gene Ontology	Hyperlink

Gene Summary

Vinculin is a cytoskeletal protein associated with cell-cell and cell-matrix junctions, where it is thought to function as one of several interacting proteins involved in anchoring F-actin to the membrane. Defects in VCL are the cause of cardiomyopathy dilated type 1W. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq]

Other Designations

OTTHUMP00000019861|OTTHUMP00000043885|metavinculin

Pathway

- [Adherens junction](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Alzheimer Disease](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)